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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/Capius enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/Capius enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS EXPRESS	FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:09:23 ON 30 MAR 2008

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
2.94	2.94

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 12:17:26 ON 30 MAR 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s Dehalococcoides and remediat?

```

2  FILE AGRICOLA
1  FILE ANABSTR
2  FILE ANTE
5  FILE AQUALINE
2  FILE AQUASCI
3  FILE BIOENG
19 FILE BIOSIS
8  FILE BIOTECHABS
8  FILE BIOTECHDS
2  FILE BIOTECHNO
13 FILE CABA
154 FILE CAPLUS
4  FILE CEABA-VTB
3  FILE DGENE
6  FILE DISSABS
10 FILE EMBASE
13 FILE ESBIODASE
3  FILE GENBANK
3  FILE IFIPAT
3  FILE LIFESCI
9  FILE MEDLINE
8  FILE PASCAL
2  FILE PROMT
16 FILE SCISEARCH
45 FILE TOXCENTER
19 FILE USPATFULL
5  FILE USPAT2
5  FILE WATER
2  FILE WPIDS
68 FILES SEARCHED...
2  FILE WPINDEX

```

30 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L1 QUE DEHALOCOCCOIDES AND REMEDIAT?

```
=> s l1 and halogen?
1 FILE ANABSTR
1 FILE BIOENG
1 FILE BIOSIS
2 FILE BIOTECHABS
2 FILE BIOTECHDS
10 FILE CAPLUS
1 FILE CEABA-VTB
3 FILE DGENE
2 FILE EMBASE
2 FILE ESBIODBASE
3 FILE IFIPAT
1 FILE LIFESCI
1 FILE MEDLINE
2 FILE PASCAL
3 FILE SCISEARCH
4 FILE TOXCENTER
13 FILE USPATFULL
4 FILE USPAT2
64 FILES SEARCHED...
2 FILE WPIDS
2 FILE WPINDEX

20 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX
```

L2 QUE L1 AND HALOGEN?

```
=> s L2 and BAV1
1 FILE BIOTECHABS
1 FILE BIOTECHDS
1 FILE CAPLUS
3 FILE DGENE
1 FILE IFIPAT
2 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX

8 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX
```

L3 QUE L2 AND BAV1

```
=> s L2 and (chloroethene or vinyl halide or haloalkane)
1 FILE ANABSTR
1 FILE BIOENG
1 FILE BIOSIS
2 FILE BIOTECHABS
2 FILE BIOTECHDS
1 FILE CAPLUS
1 FILE EMBASE
1 FILE ESBIODBASE
1 FILE IFIPAT
1 FILE LIFESCI
1 FILE MEDLINE
1 FILE PASCAL
51 FILES SEARCHED...
1 FILE SCISEARCH
2 FILE TOXCENTER
9 FILE USPATFULL
4 FILE USPAT2
1 FILE WPIDS
1 FILE WPINDEX
```

18 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L4 QUE L2 AND (CHLOROETHENE OR VINYL HALIDE OR HALOALKANE)

=> s L4 and (vinyl chloride or dichloroethene)

1 FILE ANABSTR  
1 FILE BIOENG  
1 FILE BIOSIS  
2 FILE BIOTECHABS  
2 FILE BIOTECHDS  
1 FILE CAPLUS  
1 FILE EMBASE  
1 FILE ESBIODBASE  
1 FILE IFIPAT  
1 FILE LIFESCI  
1 FILE MEDLINE  
1 FILE PASCAL  
1 FILE SCISEARCH  
2 FILE TOXCENTER  
9 FILE USPATFULL  
4 FILE USPAT2

63 FILES SEARCHED...

1 FILE WPIDS  
1 FILE WPINDEX

18 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L5 QUE L4 AND (VINYL CHLORIDE OR DICHLOROETHENE)

=> file anabstr bioeng biosis biotechabs biotechds caplus embase esbiobase ifipat

lifesci medline pascal scisearch toxcenter uspatfull uspat2

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.85	8.79

FULL ESTIMATED COST

FILE 'ANABSTR' ENTERED AT 12:23:06 ON 30 MAR 2008

COPYRIGHT (c) 2008 THE ROYAL SOCIETY OF CHEMISTRY (RSC)

FILE 'BIOENG' ENTERED AT 12:23:06 ON 30 MAR 2008

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FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 12:23:06 ON 30 MAR 2008

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FILE 'CAPLUS' ENTERED AT 12:23:06 ON 30 MAR 2008

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FILE 'IFIPAT' ENTERED AT 12:23:06 ON 30 MAR 2008

COPYRIGHT (C) 2008 IFI CLAIMS(R) Patent Services (IFI)

FILE 'LIFESCI' ENTERED AT 12:23:06 ON 30 MAR 2008

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FILE 'PASCAL' ENTERED AT 12:23:06 ON 30 MAR 2008

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FILE 'SCISEARCH' ENTERED AT 12:23:06 ON 30 MAR 2008

Copyright (c) 2008 The Thomson Corporation

FILE 'TOXCENTER' ENTERED AT 12:23:06 ON 30 MAR 2008

COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 12:23:06 ON 30 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 12:23:06 ON 30 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 15

L6 28 L5

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 11 DUP REM L6 (17 DUPLICATES REMOVED)

=> d l7 1-11

L7 ANSWER 1 OF 11 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 1

AN 11449219 IFIPAT;IFIUDB;IFICDB

TI DEHALOCOCCOIDES ISOLATE FOR BIOREMEDIATION

IN Loeffler Frank

PA Georgia Tech Research Corp (20946)

PI US 2007099284 A1 20070503

AI US 2004-559993 20040610

WO 2004-US19000 20040610

20051207 PCT 371 date

20051207 PCT 102(e) date

PRAI US 2003-477799P 20030610 (Provisional)

FI US 2007099284 20070503

DT Utility; Patent Application - First Publication

FS CHEMICAL

APPLICATION

ED Entered STN: 9 May 2007

Last Updated on STN: 13 Jun 2007

CLMN 14

GI 3 Figure(s).

FIG. 1A-C depicts micrographs of isolate BAV1 using (A) epifluorescence and (B-C) scanning electron microscopy.

FIG. 2 depicts Terminal Restriction Fragment Polymorphisms (TRFLP) digestion profiles of the PCR-amplified 16S rRNA gene from a culture of bacterium BAV1.

FIG. 3A-B depicts (A) the increase in 16S rRNA gene copies as determined by real-time (RTm) PCR (closed circles) during the reductive dechlorination of VC (closed triangles) to ethene by a culture of

bacterium BAV1, and (b) 16S rRNA gene copies of bacterium BAV1 after completely dechlorinating different amounts of VC.

L7 ANSWER 2 OF 11 USPATFULL on STN DUPLICATE 2  
AN 2005:302826 USPATFULL  
TI Halogenated solvent remediation  
IN Sorenson, Kent S. JR., Denver, CO, UNITED STATES  
PA North Wind, Inc. (U.S. corporation)  
PI US 2005263454 A1 20051201  
US 7141170 B2 20061128  
AI US 2005-42350 A1 20050124 (11)  
RLI Continuation of Ser. No. US 2004-853899, filed on 25 May 2004, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 1574  
INCL INCLM: 210/610.000  
INCLS: 405/128.450; 210/747.000  
NCL NCLM: 210/610.000  
NCLS: 210/747.000; 405/128.450  
IC [7]  
ICM C02F003-00  
IPCI C02F0003-00 [ICM,7]  
IPCI-2 C02F0003-00 [I,A]  
IPCR C02F0003-00 [I,C]; C02F0003-00 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 11 USPATFULL on STN  
AN 2005:171268 USPATFULL  
TI Nucleic acid fragments for the identification of dechlorinating bacteria  
IN Ebersole, Richard C., Wilmington, DE, UNITED STATES  
Hendrickson, Edwin, Hockessin, DE, UNITED STATES  
PI US 2005148015 A1 20050707  
AI US 2005-69442 A1 20050301 (11)  
RLI Division of Ser. No. US 2002-61071, filed on 29 Jan 2002, GRANTED, Pat.  
No. US 6894156 Continuation-in-part of Ser. No. US 2000-548998, filed on  
14 Apr 2000, GRANTED, Pat. No. US 6797817  
PRAI US 1999-129511P 19990415 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2754  
INCL INCLM: 435/006.000  
INCLS: 435/252.100; 536/023.700; 435/262.500  
NCL NCLM: 435/006.000  
NCLS: 435/252.100; 435/262.500; 536/023.700  
IC [7]  
ICM C12Q001-68  
ICS C07H0021-04; C12N001-20; C12S001-00  
IPCI C12Q0001-68 [ICM,7]; C07H0021-04 [ICS,7]; C07H0021-00 [ICS,7,C\*];  
C12N0001-20 [ICS,7]; C12S0001-00 [ICS,7]  
IPCR C07H0021-00 [I,C\*]; C07H0021-04 [I,A]; C12N0001-20 [I,C\*];  
C12N0001-20 [I,A]; C12Q0001-68 [I,C\*]; C12Q0001-68 [I,A];  
C12S0001-00 [I,C\*]; C12S0001-00 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 11 USPATFULL on STN  
AN 2005:128252 USPATFULL  
TI Halogenated solvent remediation  
IN Sorenson, Kent S. JR., Windsor, CO, UNITED STATES  
PI US 2005109696 A1 20050526  
AI US 2004-931800 A1 20040831 (10)  
RLI Continuation-in-part of Ser. No. US 2001-895430, filed on 29 Jun 2001,  
GRANTED, Pat. No. US 6783678

PRAI US 2000-214957P 20000629 (60)  
 US 2000-233414P 20000918 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1537  
 INCL INCLM: 210/610.000  
 INCLS: 210/747.000  
 NCL NCLM: 210/610.000  
 NCLS: 210/747.000  
 IC [7]  
 ICM C02F003-00  
 IPCI C02F0003-00 [ICM,7]  
 IPCR B09C0001-00 [I,C\*]; B09C0001-00 [I,A]; B09C0001-10 [I,C\*];  
 B09C0001-10 [I,A]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 11 USPATFULL on SIN  
 AN 2005:75279 USPATFULL  
 TI Methods for remediating materials contaminated with  
 halogenated aromatic compounds  
 IN Fennell, Donna E., North Brunswick, NJ, UNITED STATES  
 Haggblom, Max M., New York, NY, UNITED STATES  
 Zinder, Stephen H., Ithaca, NY, UNITED STATES  
 Nijenhuis, Ivonne, Leipzig, GERMANY, FEDERAL REPUBLIC OF  
 PI US 2005064576 A1 20050324  
 AI US 2004-828781 A1 20040421 (10)  
 PRAI US 2003-464348P 20030422 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 849  
 INCL INCLM: 435/262.500  
 NCL NCLM: 435/262.500  
 IC [7]  
 ICM C12S001-00  
 IPCI C12S0001-00 [ICM,7]  
 IPCR C12S0001-00 [I,C\*]; C12S0001-00 [I,A]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 11 USPATFULL on SIN DUPLICATE 3  
 AN 2004:203426 USPATFULL  
 TI Electron donors for chlorinated solvent source area bioremediation  
 IN Sorenson, Kent S., JR., Idaho Falls, ID, UNITED STATES  
 Wilke, Wayne H., Stilwell, KS, UNITED STATES  
 PA SRP TECHNOLOGIES, INC. (U.S. corporation)  
 JRW BIOREMEDIATION, LLC (U.S. corporation)  
 PI US 2004157317 A1 20040812  
 US 7045339 B2 20060516  
 AI US 2003-645332 A1 20030820 (10)  
 PRAI US 2002-404728P 20020820 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1628  
 INCL INCLM: 435/262.500  
 NCL NCLM: 435/262.500  
 NCLS: 210/610.000; 210/611.000; 210/631.000; 210/719.000; 210/757.000;  
 435/262.000  
 IC [7]  
 ICM C12S001-00  
 IPCI C12S0001-00 [ICM,7]  
 IPCI-2 C12S0001-00 [I,A]; C02F0001-70 [I,A]; B09C0001-08 [I,A];  
 B09C0001-00 [I,C\*]  
 IPCR B09C0001-10 [I,C\*]; B09C0001-10 [I,A]; C02F0001-68 [I,C\*];

C02F0001-68 [I,A]; C02F0003-04 [I,C\*]; C02F0003-04 [I,A];  
C12S0005-00 [I,C\*]; C12S0005-00 [I,A]; C12S0001-00 [I,A];  
B09C0001-00 [I,C]; B09C0001-08 [I,A]; C02F0001-70 [I,C];  
C02F0001-70 [I,A]; C12S0001-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 11 BIOTECHDS COPYRIGHT 2008 THE THOMSON CORP. on STN  
AN 2005-04335 BIOTECHDS  
TI New biologically pure bacterial culture possessing all of identifying  
characteristics of Dehalococcoides isolates BAV1, useful for  
remediating a substrate comprising a halogenated  
compound;

Dehalococcoides sp. for use in soil decontamination and  
sediment decontamination

AU LOEFFLER F  
PA GEORGIA TECH RES CORP  
PI WO 2004110933 23 Dec 2004  
AI WO 2004-US19000 10 Jun 2004  
PRAI US 2003-477799 10 Jun 2003; US 2003-477799 10 Jun 2003  
DT Patent  
LA English  
OS WPI: 2005-066151 [07]

L7 ANSWER 8 OF 11 USPATFULL on STN  
AN 2004:242090 USPATFULL  
TI Nucleic acid fragments for the identification of dechlorinating bacteria  
IN Ebersole, Richard C., Wilmington, DE, United States  
Hendrickson, Edwin R., Hockessin, DE, United States  
PA E. I. du Pont de Nemours and Company, Wilmington, DE, United States  
(U.S. corporation)  
PI US 6797817 B1 20040928  
AI US 2000-548998 20000414 (9)  
PRAI US 1999-129511P 19990415 (60)  
DT Utility  
FS GRANTED  
LN.CNT 1666  
INCL INCLM: 536/024.300  
INCLS: 435/243.000; 435/262.500  
NCL NCLM: 536/024.300  
NCLS: 435/243.000; 435/262.500  
IC [7]  
ICM C07H021-04  
IPCI C07H0021-04 [ICM,7]; C07H0021-00 [ICM,7,C\*]  
IPCR C12Q0001-68 [I,C\*]; C12Q0001-68 [I,A]  
EXF 536/24.3; 435/243; 435/262.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 11 ANABSTR COPYRIGHT 2008 RSC on STN DUPLICATE 4  
AN 66(26):H222 ANABSTR  
TI Dehalococcoides ethenogenes strain 195 reductively dechlorinates  
diverse chlorinated aromatic pollutants.  
AU Fennell, D. E.; Nijenhuis, I.; Wilson, S. F.; Zinder, S. H.; Haeggblom, M.  
M. (fennell@envsci.rutgers.edu, Dept. Environ. Sci., Rutgers Univ., New  
Brunswick, NJ 08901, USA)  
SO Environ. Sci. Technol. (2004) 38(7), 2075-2081  
CODEN: ESTHAG ISSN: 0013-936X  
DT Journal  
LA English

L7 ANSWER 10 OF 11 USPATFULL on STN DUPLICATE 5  
AN 2003:112869 USPATFULL  
TI Nucleic acid fragments for the identification of dechlorinating bacteria



IN Ebersole, Richard C., Wilmington, DE, UNITED STATES  
 Hendrickson, Edwin R., Hockessin, DE, UNITED STATES  
 PI US 2003077601 A1 20030424  
 US 6894156 B2 20050517  
 AI US 2002-61071 A1 20020129 (10)  
 RLI Continuation-in-part of Ser. No. US 2000-548998, filed on 14 Apr 2000,  
 PENDING  
 PRAI US 1999-129511P 19990415 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 2812  
 INCL INCLM: 435/006.000  
 INCLS: 435/252.300; 435/069.100; 435/320.100; 536/023.200  
 NCL NCLM: 536/024.100; 435/006.000  
 NCLS: 435/243.000; 435/069.100; 435/252.300; 435/320.100; 536/023.200  
 IC [7]  
 ICM C12Q001-68  
 ICS C07H021-04; C12N001-20; C12N015-74; C12P021-02  
 IPCI C12Q0001-68 [ICM,7]; C07H0021-04 [ICS,7]; C07H0021-00 [ICS,7,C\*];  
 C12N0001-20 [ICS,7]; C12N0015-74 [ICS,7]; C12P0021-02 [ICS,7]  
 IPCI-2 C07H0021-04 [ICM,7]; C07H0021-00 [ICM,7,C\*]; C12N0001-00 [ICS,7]  
 IPCR C12Q0001-68 [I,C\*]; C12Q0001-68 [I,A]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 11 USPATFULL on STN DUPLICATE 6  
 AN 2002:35954 USPATFULL  
 TI Halogenated solvent remediation  
 IN Sorenson, Kent S., Idaho Falls, ID, UNITED STATES  
 PA Bechtel BWXT Idaho, LLC (non-U.S. corporation)  
 PI US 2002020665 A1 20020221  
 US 6783678 B2 20040831  
 AI US 2001-895430 A1 20010629 (9)  
 PRAI US 2000-214957P 20000629 (60)  
 US 2000-233414P 20000918 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1048  
 INCL INCLM: 210/601.000  
 INCLS: 252/182.120; 210/610.000  
 NCL NCLM: 210/610.000; 210/601.000  
 NCLS: 435/262.500; 252/182.120  
 IC [7]  
 ICM C02F003-00  
 ICS C09K003-00  
 IPCI C02F0003-00 [ICM,7]; C09K0003-00 [ICS,7]  
 IPCI-2 C02F0003-00 [ICM,7]  
 IPCR B09C0001-00 [I,C\*]; B09C0001-00 [I,A]; B09C0001-10 [I,C\*];  
 B09C0001-10 [I,A]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 13

L8 5 L3

=> rem dup l8

DUP IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left,

right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21	- delete a single L-number
DELETE L3-L6	- delete a range of L-numbers
DELETE LAST 4	- delete the last 4 L-numbers
DELETE L33-	- delete L33 and any higher L-number
DELETE -L55	- delete L55 and any lower L-number
DELETE L2-L6 RENUMBER	- delete a range of L-numbers and renumber remaining L-numbers
DELETE RENUMBER	- renumber L-numbers after deletion of intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

DELETE SAVED/Q	- delete all saved queries
DELETE SAVED/A	- delete all saved answer sets
DELETE SAVED/L	- delete all saved L-number lists
DELETE SAVED	- delete all saved queries, answer sets, and L-number lists
DELETE SAVED/S	- delete all SDI requests
DELETE SAVED/B	- delete all batch requests
DELETE CLUSTER	- delete all user-defined clusters
DELETE FORMAT	- delete all user-defined display formats
DELETE FIELD	- delete all user-defined search fields
DELETE SELECT	- delete all E-numbers
DELETE HISTORY	- delete all L-numbers and restart the session at L1

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

=> dup rem l8  
 PROCESSING COMPLETED FOR L8  
 L9 4 DUP REM L8 (1 DUPLICATE REMOVED)

=> d 19 1-4

L9 ANSWER 1 OF 4 IFIPAT COPYRIGHT 2008 IFI on STN DUPLICATE 1  
 AN 11449219 IFIPAT;IFIUDB;IFICDB  
 TI DEHALOCOCCOIDES ISOLATE FOR BIOREMEDIATION  
 IN Loeffler Frank  
 PA Georgia Tech Research Corp (20946)  
 PI US 2007099284 A1 20070503  
 AI US 2004-559993 20040610  
 WO 2004-US19000 20040610  
 20051207 PCT 371 date  
 20051207 PCT 102(e) date  
 PRAI US 2003-477799P 20030610 (Provisional)  
 FI US 2007099284 20070503  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 ED Entered STN: 9 May 2007  
 Last Updated on STN: 13 Jun 2007  
 CLMN 14  
 GI 3 Figure(s).  
 FIG. 1A-C depicts micrographs of isolate BAV1 using (A)  
 epifluorescence and (B-C) scanning electron microscopy.  
 FIG. 2 depicts Terminal Restriction Fragment Polymorphisms (TRFLP)  
 digestion profiles of the PCR-amplified 16S rRNA gene from a culture of  
 bacterium BAV1.  
 FIG. 3A-B depicts (A) the increase in 16S rRNA gene copies as determined  
 by real-time (RTM) PCR (closed circles) during the reductive  
 dechlorination of VC (closed triangles) to ethene by a culture of  
 bacterium BAV1, and (b) 16S rRNA gene copies of bacterium  
 BAV1 after completely dechlorinating different amounts of VC.

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:272970 CAPLUS  
 DN 144:325899  
 TI Cloning and sequences of reductive dehalogenase genes from dechlorinating  
 bacteria for use in bioremediation of pollutants  
 IN Loeffler, Frank; Ritalahti, Kirsti M.; Krajmalnik-Brown, Rosa; Thompson,  
 Ivy  
 PA Regensis Bioremediation Products, USA  
 SO PCT Int. Appl., 54 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006031997	A2	20060323	WO 2005-US33063	20050914
	WO 2006031997	A3	20070315		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

PRAI US 2004-609892P P 20040914

L9 ANSWER 3 OF 4 USPATFULL on STN  
 AN 2005:75279 USPATFULL  
 TI Methods for remediating materials contaminated with  
 halogenated aromatic compounds  
 IN Fennell, Donna E., North Brunswick, NJ, UNITED STATES  
 Haggbloom, Max M., New York, NY, UNITED STATES  
 Zinder, Stephen H., Ithaca, NY, UNITED STATES  
 Nijenhuis, Ivonne, Leipzig, GERMANY, FEDERAL REPUBLIC OF  
 PI US 2005064576 A1 20050324  
 AI US 2004-828781 A1 20040421 (10)  
 PRAI US 2003-464348P 20030422 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 849  
 INCL INCLM: 435/262.500  
 NCL NCLM: 435/262.500  
 IC [7]

ICM C12S001-00  
 IPCI C12S0001-00 [ICM,7]  
 IPCR C12S0001-00 [I,C\*]; C12S0001-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 4 OF 4 BIOTECHDS COPYRIGHT 2008 THE THOMSON CORP. on STN  
 AN 2005-04335 BIOTECHDS  
 TI New biologically pure bacterial culture possessing all of identifying  
 characteristics of Dehalococcoides isolates BAV1,  
 useful for remediating a substrate comprising a  
 halogenated compound;  
 Dehalococcoides sp. for use in soil decontamination and  
 sediment decontamination  
 AU LOEFFLER F  
 PA GEORGIA TECH RES CORP  
 PI WO 2004110933 23 Dec 2004  
 AI WO 2004-US19000 10 Jun 2004  
 PRAI US 2003-477799 10 Jun 2003; US 2003-477799 10 Jun 2003  
 DT Patent  
 LA English  
 OS WPI: 2005-066151 [07]

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

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FULL ESTIMATED COST

76.71

85.50

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 12:17:26 ON 30 MAR 2008  
SEA DEHALOCOCCOIDES AND REMEDIAT?

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2   FILE AGRICOLA
1   FILE ANABSTR
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3   FILE BIOENG
19  FILE BIOSIS
8   FILE BIOTECHABS
8   FILE BIOTECHDS
2   FILE BIOTECHNO
13  FILE CABA
154 FILE CAPLUS
4   FILE CEABA-VTB
3   FILE DGENE
6   FILE DISSABS
10  FILE EMBASE
13  FILE ESBIOBASE
3   FILE GENBANK
3   FILE IFIPAT
3   FILE LIFESCI
9   FILE MEDLINE
8   FILE PASCAL
2   FILE PROMT
16  FILE SCISEARCH
45  FILE TOXCENTER
19  FILE USPATFULL
5   FILE USPAT2
5   FILE WATER
2   FILE WPIDS
2   FILE WPINDEX
L1  QUE DEHALOCOCCOIDES AND REMEDIAT?

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SEA L1 AND HALOGEN?

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2   FILE BIOTECHDS
10  FILE CAPLUS
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L2  QUE L1 AND HALOGEN?
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SEA L2 AND BAV1
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L3 QUE L2 AND BAV1
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SEA L2 AND (CHLOROETHENE OR VINYL HALIDE OR HALOALKANE)
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1 FILE ANABSTR
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1 FILE ESBIODBASE
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1 FILE MEDLINE
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9 FILE USPATFULL
4 FILE USPAT2
1 FILE WPIDS
1 FILE WPINDEX
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SEA L4 AND (VINYL CHLORIDE OR DICHLOROETHENE)
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2 FILE BIOTECHDS
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2 FILE TOXCENTER
9 FILE USPATFULL
4 FILE USPAT2
1 FILE WPIDS
1 FILE WPINDEX
L5 QUE L4 AND (VINYL CHLORIDE OR DICHLOROETHENE)
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FILE 'ANABSTR, BIOENG, BIOSIS, BIOTECHDS, CAPLUS, EMBASE, ESBIODBASE,
IFIPAT, LIFESCI, MEDLINE, PASCAL, SCISEARCH, TOXCENTER, USPATFULL,
USPAT2' ENTERED AT 12:23:06 ON 30 MAR 2008
L6 28 S L5
L7 11 DUP REM L6 (17 DUPLICATES REMOVED)

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L8 5 S L3  
L9 4 DUP REM L8 (1 DUPLICATE REMOVED)

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.12	85.62

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NEWS 2 JUN 06 EPFULL enhanced with 260,000 English abstracts  
NEWS 3 JUN 06 KOREAPAT updated with 41,000 documents  
NEWS 4 JUN 13 USPATFULL and USPAT2 updated with 11-character  
patent numbers for U.S. applications  
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web-based collections  
NEWS 6 JUN 25 CA/CAPLUS and USPAT databases updated with IPC  
reclassification data  
NEWS 7 JUN 30 AEROSPACE enhanced with more than 1 million U.S.  
patent records  
NEWS 8 JUN 30 EMBASE, EMBAL, and LEMBASE updated with additional  
options to display authors and affiliated  
organizations  
NEWS 9 JUN 30 STN on the Web enhanced with new STN AnaVist  
Assistant and BLAST plug-in  
NEWS 10 JUN 30 STN AnaVist enhanced with database content from EPFULL  
NEWS 11 JUL 28 CA/CAPLUS patent coverage enhanced  
NEWS 12 JUL 28 EPFULL enhanced with additional legal status  
information from the EPOline Register  
NEWS 13 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements  
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page images from 1967-1998  
NEWS 17 AUG 15 CAOLD to be discontinued on December 31, 2008  
NEWS 18 AUG 15 CAPLUS currency for Korean patents enhanced  
NEWS 19 AUG 27 CAS definition of basic patents expanded to ensure  
comprehensive access to substance and sequence  
information  
NEWS 20 SEP 18 Support for STN Express, Versions 6.01 and earlier,

to be discontinued

NEWS 21 SEP 25 CA/CAPLUS current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances

NEWS 22 SEP 26 WPIDS, WPINDEX, and WPIX coverage of Chinese and Korean patents enhanced

NEWS 23 SEP 29 IFICLS enhanced with new super search field

NEWS 24 SEP 29 EMBASE and EMBAL enhanced with new search and display fields

NEWS 25 SEP 30 CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents

NEWS 26 OCT 07 EPFULL enhanced with full implementation of EPC2000

NEWS 27 OCT 07 Multiple databases enhanced for more flexible patent number searching

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AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

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SINCE FILE	TOTAL
ENTRY	SESSION
0.84	0.84

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 23:24:56 ON 12 OCT 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s Dehalococcoides and bioremedi? and (DCE or dichlorethene) and (vinyl chloride or vinyl bromide)

2	FILE AGRICOLA
2	FILE AQUALINE
1	FILE AQUASCI
3	FILE BIOENG
5	FILE BIOSIS
10	FILE BIOTECHABS
10	FILE BIOTECHDS
1	FILE BIOTECHNO



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13 FILE CABA
39 FILE CAPLUS
1 FILE CEABA-VTB
5 FILE DISSABS
5 FILE EMBASE
3 FILE ESBIOBASE
1 FILE FSTA
2 FILE IFIPAT
4 FILE LIFESCI
3 FILE MEDLINE
44 FILES SEARCHED...
8 FILE PASCAL
6 FILE SCISEARCH
21 FILE TOXCENTER
15 FILE USPATFULL
6 FILE USPAT2
1 FILE WATER
3 FILE WPIDS
3 FILE WPINDEX

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26 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L1 QUE DEHALOCOCCOIDES AND BIOREMEDI? AND (DCE OR DICHLORETHENE) AND (VINYL C  
HLORIDE OR VINYL BROMIDE)

=> s l1 and electron acceptor

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4 FILE BIOTECHABS
4 FILE BIOTECHDS
1 FILE CABA
3 FILE CAPLUS
2 FILE DISSABS
1 FILE IFIPAT
4 FILE PASCAL
50 FILES SEARCHED...

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2 FILE TOXCENTER
14 FILE USPATFULL
6 FILE USPAT2
2 FILE WPIDS
2 FILE WPINDEX

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13 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L2 QUE L1 AND ELECTRON ACCEPTOR

=> file biosis biotechabs biotechds caba caplus dissabs ifipat pascal toxcenter  
uspatfull uspat2

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SINCE FILE	TOTAL
ENTRY	SESSION
3.90	4.74

FULL ESTIMATED COST

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CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l2  
L3 38 L2

=> dup rem l3  
PROCESSING COMPLETED FOR L3  
L4 27 DUP REM L3 (11 DUPLICATES REMOVED)

=> s l4 and haloalkane?  
L5 1 L4 AND HALOALKANE?

=> d l5 1

L5 ANSWER 1 OF 1 USPATFULL on STN  
AN 2007:114213 USPATFULL  
TI Dehalococcoides isolate for bioremediation  
IN Loeffler, Frank, Atlanta, GA, UNITED STATES  
PA GEORGIA TECH RESEARCH CORPORATION, ATLANTA, GA, UNITED STATES,  
30332-0415 (U.S. corporation)  
PI US 20070099284 A1 20070503  
AI US 2004-559993 A1 20040610 (10)  
WO 2004-US19000 20040610  
20051207 PCT 371 date  
PRAI US 2003-477799P 20030610 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 647  
INCL INCLM: 435/252.300  
INCLS: 435/262.500; 588/300.000; 588/406.000  
NCL NCLM: 435/252.300  
NCLS: 435/262.500; 588/300.000; 588/406.000  
IC IPCI A62D0003-02 [I,A]; C12N0001-20 [I,A]  
IPCR A62D0003-00 [I,C]; A62D0003-02 [I,A]; C12N0001-20 [I,C];  
C12N0001-20 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s l4 and BAV1  
L6 4 L4 AND BAV1

=> d l6 1-4

L6 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN  
AN 2003:532385 BIOSIS  
DN PREV200300534302  
TI Isolation of a vinyl chloride-respiring population in  
pure culture.  
AU He, J. [Reprint Author]; Loeffler, F. E. [Reprint Author]  
CS Georgia Institute of Technology, Atlanta, GA, USA  
SO Abstracts of the General Meeting of the American Society for Microbiology,  
(2003) Vol. 103, pp. Q-016.  
<http://www.asmsusa.org/mtgsrc/generalmeeting.htm>. cd-rom.  
Meeting Info.: 103rd American Society for Microbiology General Meeting.  
Washington, DC, USA. May 18-22, 2003. American Society for Microbiology.  
ISSN: 1060-2011 (ISSN print).  
DT Conference; (Meeting)  
LA English  
ED Entered STN: 12 Nov 2003  
Last Updated on STN: 12 Nov 2003

L6 ANSWER 2 OF 4 USPATFULL on STN  
AN 2007:114213 USPATFULL  
TI Dehalococcoides isolate for bioremediation  
IN Loeffler, Frank, Atlanta, GA, UNITED STATES  
PA GEORGIA TECH RESEARCH CORPORATION, ATLANTA, GA, UNITED STATES,  
30332-0415 (U.S. corporation)  
PI US 20070099284 A1 20070503  
AI US 2004-559993 A1 20040610 (10)  
WO 2004-US19000 20040610  
20051207 PCT 371 date  
PRAI US 2003-477799P 20030610 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 647  
INCL INCLM: 435/252.300  
INCLS: 435/262.500; 588/300.000; 588/406.000  
NCL NCLM: 435/252.300  
NCLS: 435/262.500; 588/300.000; 588/406.000  
IC IPCI A62D0003-02 [I,A]; C12N0001-20 [I,A]  
IPCR A62D0003-00 [I,C]; A62D0003-02 [I,A]; C12N0001-20 [I,C];  
C12N0001-20 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 4 USPATFULL on STN  
AN 2006:166986 USPATFULL  
TI Gene probes for the selective detection of microorganisms that  
reductively dechlorinate polychlorinated biphenyl compounds  
IN Sowers, Kevin R., Baltimore, MD, UNITED STATES  
Fagervoid, Sonja K., Baltimore, MD, UNITED STATES  
Watts, Joy E.M., Baltimore, MD, UNITED STATES  
May, Harold D., Pleasant, SC, UNITED STATES  
PI US 20060141492 A1 20060629  
AI US 2005-190801 A1 20050727 (11)  
PRAI US 2004-591514P 20040727 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1192  
INCL INCLM: 435/006.000

INCLS: 435/252.300; 536/024.100; 435/262.500  
 NCL NCLM: 435/006.000  
 NCLS: 435/252.300; 435/262.500; 536/024.100  
 IC IPCI C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C\*];  
 C12N0001-20 [I,A]; B09C0001-10 [I,A]  
 IPCR C12Q0001-68 [I,A]; B09C0001-10 [I,C]; B09C0001-10 [I,A];  
 C07H0021-00 [I,C]; C07H0021-04 [I,A]; C12N0001-20 [I,C];  
 C12N0001-20 [I,A]; C12Q0001-68 [I,C]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 4 USPATFULL on STN  
 AN 2005:75279 USPATFULL  
 TI Methods for remediating materials contaminated with halogenated aromatic  
 compounds  
 IN Fennell, Donna E., North Brunswick, NJ, UNITED STATES  
 Haggbloom, Max M., New York, NY, UNITED STATES  
 Zinder, Stephen H., Ithaca, NY, UNITED STATES  
 Nijenhuis, Ivonne, Leipzig, GERMANY, FEDERAL REPUBLIC OF  
 PI US 20050064576 A1 20050324  
 AI US 2004-828781 A1 20040421 (10)  
 PRAI US 2003-464348P 20030422 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 849  
 INCL INCLM: 435/262.500  
 NCL NCLM: 435/262.500  
 IC [7]  
 ICM C12S001-00  
 IPCI C12S0001-00 [ICM,7]  
 IPCR C12S0001-00 [I,C\*]; C12S0001-00 [I,A]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	42.09	46.83

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FILE CONTAINS CURRENT INFORMATION.  
 LAST RELOADED: Oct 10, 2008 (20081010/UP).

=> d l6 ab  
 YOU HAVE REQUESTED DATA FROM FILE 'BIOSIS, USPATFULL' - CONTINUE? (Y)/N:y

L6 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN  
 AB About half of the hazardous waste sites on the U.S. Environmental  
 Protection Agency's Final National Priority List for 2002 were  
 contaminated with tetrachloroethene (PCE) and/or trichloroethene (TCE).  
 Dichloroethenes (DCEs) and vinyl chloride (VC) often  
 accumulate in contaminated aquifers in which PCE or TCE undergo incomplete  
 reductive dechlorination. The accumulation of VC is of particular concern  
 because VC is a proven human carcinogen. Organisms capable of using  
 polychlorinated ethenes as terminal electron acceptors in their energy  
 metabolism (e.g., chloridogenic populations) have been isolated over the  
 last few years, however, no VC-respiring isolates have been described. An

anaerobic VC-respiring population, designated as strain BAV1, was isolated from a PCE-to-ethene-dechlorinating microcosm obtained from the Bachman Road site, a PCE-contaminated aquifer in Oscoda, MI. 16S rRNA gene sequencing placed the isolate in the Pinellas group within the Dehalococcoides cluster. Strain BAV1 grew in defined mineral salts medium with VC as the only available electron acceptor. VC (0.83 mM, nominal concentration) was dechlorinated at rates of up to 57.9  $\mu$ moles/L/d to ethene, which was not further transformed. Hydrogen was the required electron donor, and the isolate also dechlorinated vinyl bromide, cis-DCE, trans-DCE, 1,1-DCE and 1,2-dichloroethane to ethene. cis-DCE, trans-DCE, and 1,1-DCE (approx 0.8 mM each) were dechlorinated at rates of up to 61.9, 50.5, and 56.0  $\mu$ moles/L/d, respectively. Dehalococcoides 16S rRNA gene-targeted real-time PCR confirmed chloridogenic growth, and demonstrated that about twice as much biomass was produced when strain BAV1 was grown with cis-DCE compared to growth with VC. This finding indicates that the new isolate captures the energy released from both reductive dechlorination steps. Strain BAV1 failed to grow with PCE and TCE but cometabolized both compounds in the presence of a growth-supporting chloroethene. Strain BAV1 is the first isolate using the priority pollutant VC as a respiratory electron acceptor, and has potential applications in engineered bioremediation approaches.

=> d 16 1

YOU HAVE REQUESTED DATA FROM FILE 'BIOSIS, USPATFULL' - CONTINUE? (Y)/N:y

L6 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN  
 AN 2003:532385 BIOSIS  
 DN PREV200300534302  
 TI Isolation of a vinyl chloride-respiring population in  
 pure culture.  
 AU He, J. [Reprint Author]; Löffler, F. E. [Reprint Author]  
 CS Georgia Institute of Technology, Atlanta, GA, USA  
 SO Abstracts of the General Meeting of the American Society for Microbiology,  
 (2003) Vol. 103, pp. Q-016.  
<http://www.asmsusa.org/mtgsrc/generalmeeting.htm>. cd-rom.  
 Meeting Info.: 103rd American Society for Microbiology General Meeting.  
 Washington, DC, USA. May 18-22, 2003. American Society for Microbiology.  
 ISSN: 1060-2011 (ISSN print).  
 DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 LA English  
 ED Entered STN: 12 Nov 2003  
 Last Updated on STN: 12 Nov 2003

=> d 16 1 ab

YOU HAVE REQUESTED DATA FROM FILE 'BIOSIS, USPATFULL' - CONTINUE? (Y)/N:y

L6 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN  
 AB About half of the hazardous waste sites on the U.S. Environmental  
 Protection Agency's Final National Priority List for 2002 were  
 contaminated with tetrachloroethene (PCE) and/or trichloroethene (TCE).

Dichloroethenes (DCEs) and vinyl chloride (VC) often accumulate in contaminated aquifers in which PCE or TCE undergo incomplete reductive dechlorination. The accumulation of VC is of particular concern because VC is a proven human carcinogen. Organisms capable of using polychlorinated ethenes as terminal electron acceptors in their energy metabolism (e.g., chloridogenic populations) have been isolated over the last few years, however, no VC-respiring isolates have been described. An anaerobic VC-respiring population, designated as strain BAV1, was isolated from a PCE-to-ethene-dechlorinating microcosm obtained from the Bachman Road site, a PCE-contaminated aquifer in Oscoda, MI. 16S rRNA gene sequencing placed the isolate in the Pinellas group within the Dehalococcoides cluster. Strain BAV1 grew in defined mineral salts medium with VC as the only available electron acceptor. VC (0.83 mM, nominal concentration) was dechlorinated at rates of up to 57.9  $\mu$ moles/L/d to ethene, which was not further transformed. Hydrogen was the required electron donor, and the isolate also dechlorinated vinyl bromide, cis-DCE, trans-DCE, 1,1-DCE and 1,2-dichloroethane to ethene. cis-DCE, trans-DCE, and 1,1-DCE (approx 0.8 mM each) were dechlorinated at rates of up to 61.9, 50.5, and 56.0  $\mu$ moles/L/d, respectively. Dehalococcoides 16S rRNA gene-targeted real-time PCR confirmed chloridogenic growth, and demonstrated that about twice as much biomass was produced when strain BAV1 was grown with cis-DCE compared to growth with VC. This finding indicates that the new isolate captures the energy released from both reductive dechlorination steps. Strain BAV1 failed to grow with PCE and TCE but cometabolized both compounds in the presence of a growth-supporting chloroethene. Strain BAV1 is the first isolate using the priority pollutant VC as a respiratory electron acceptor, and has potential applications in engineered bioremediation approaches.

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NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
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NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
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68 FILES IN THE FILE LIST IN STNINDEX

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=> s Dehalococcoides same electron(p)acceptor? and (trans-dichloroethene or vinyl)

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0\* FILE BIOTECHABS  
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0\* FILE FOMAD  
0\* FILE FOREGE

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0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
51 FILES SEARCHED...
0* FILE WATER

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